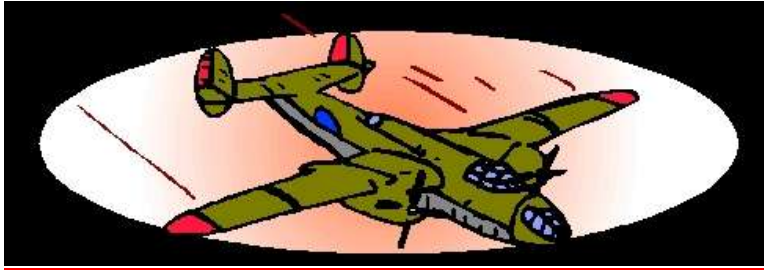


## Motion and Flight Unit Book, Video, Internet Resource Suggestions



*The number following the author's name is how many copies are in the JMRL Library system. Have fun!*

### *Easy Reading Books:*

1. Flying by Gail Gibbons (1)  
Colorful, interesting beginning reader book on flying. Includes a list of famous flights and when they occurred in the back.
2. A True Book, Blimps by Darlene Stille (8)  
Excellent title on what airships are and how they work. Excellent pictures accompany the text. Information is included about how they were used in wars prior to airplane invention. The Hindenburg Disaster is included.
3. I Can Be a Pilot by June Behrens (4)  
Interesting information and pictures are used to explain the job of airplane pilot. Great!
4. Famous Planes by Brenda Thompson and Rosemary Giesen (7)  
Interesting fact book about famous airplanes.
5. Making Science Work, Flying and gliding by Terry Jennings (8)  
An introduction to flying. Great information and pictures. Also includes experiments.
6. The Hindenburg by Patrick O'Brien (3)  
On May 6, 1937, the Hindenburg, the largest and fastest airship ever built, exploded in a tremendous ball of fire as it came to land in Lakehurst, New Jersey. The dream of majestic airships ended with the Hindenburg. Easy to read with interesting and colorful pictures.

### *step-up readers followed by more in-depth reading:*

1. Air and Flight, Action Science by Neil Ardley (1)  
This title is full of experiment ideas that deal with air and flight. Excellent resource.
2. Paper Airplanes to Make and Fly by Jim Razzi  
Six simple but fabulous paper airplanes that you can make and fly. Easy to follow directions.
3. Fire and Silk, Flying in a hot air balloon by Neil Johnson (4)  
How do hot air balloons rise up into the sky? Once in flight, can they be steered? How high can they go and how fast? Just what does the world look like from a balloon. Brilliant, striking photographs and concise text fill Johnson's book as he answers these and many other questions about hot air balloons. Awesome photos! One of Nathaniel's favorites.
4. Blimps, by Roxie Munro (1)  
Why are blimps so big? Where do people ride? What is inside of a blimp? Very colorful pictures and interesting text will answer these questions and much more.
5. Science Discoveries, The Wright Brothers and Aviation by Steve Parker (3)  
This fact-filled book captures the life and times of Orville and Wilbur Wright, two inventive brothers whose interest in aviation prompted them to build the world's first power-driven airplane.
6. The Story of The Flight at Kitty Hawk, Cornerstones of Freedom, by Conrad Stein (6)  
Very good title on the Wright Brothers. Great reading for 2/3 graders to introduce them to the accomplishments of the Wright Brothers.
7. Eyewitness Juniors, Amazing Flying Machines by Robin Kerrod (8)  
A fascinating look at some of the world's most amazing flying machines. Excellent information!
8. A New True Book, Airplanes by David Petersen (4)  
Did you know that some people build their own airplanes? These are called homebuilt or experimental airplanes. Most are very small and only have room for one person. One kind is solar powered. Neat, interesting information.
9. Big Book of Airplanes by Caroline Bingham (9) This is a Dorling Kindersley Book.  
This is a very large book with colorful pictures and explanation of many different kinds of planes.
10. The First Book of Airplanes by Jeanne Bendick (2)

Originally published in 1958, this title is full of black and white drawings to explain thrust, lift, drag, gravity, etc. Good information, but not as interesting as some of the titles with colorful pictures. This is a good one if you just 'want the facts'.

11. A True Book, Airplanes by Darlene Stille (9)  
What types of airplanes are there? How do they fly? Easy text and great pictures will answer these and many other questions. Excellent resource.
12. A New True Book, Helicopters by David Petersen (8)      Great information on helicopters.
13. Making Things Move, Action Science by Neil Ardley (2)  
Full of great experiment ideas that show concepts such as gravity, friction, action and reaction.
14. Forces and Motion by Simon de Pinna (2)  
This title includes great experiments on flight (p.18), motion, (p.34 & 40) Great pictures and information. Other experiments are presented on various other topics as well. Great for more experiment ideas!
15. Science Discoveries, Isaac Newton and Gravity by Steve Parker (3)  
This fact-filled book captures the life and times of Isaac Newton, who made revolutionary advances in many areas of science, including the study of light, color, gravity, force, and motion.
16. Great Minds of Science, Isaac Newton: The Greatest Scientist of All Time by Margaret J. Anderson (5)  
More advanced reading on Isaac Newton, for the student who has an interest in learning more about him. Very interesting reading. Did you know that Isaac's father died 2 months before he was born? When he was born, he was so weak, that it was thought that he would not live. Isaac Newton grew up to be a genius. As well as developing the three laws of motion (page 86), he also invented calculus, designed the reflecting telescope, and figured out the principle of gravity. Excellent information in this chapter book on Newton written in a very interesting way.

*Video suggestions:*

1. The Inventor's Specials, Newton: A Tale of Two Isaacs  
Devine Entertainment presents a very interesting tale of how Isaac Newton studied and raced to become the first to discover many things. Like a comet blazing across the night sky, Isaac Newton's theories on celestial movement and gravity scorched the stuffy intellects at the Royal Academy in 1683. It is very funny how he presents the laws of motion as two school boys wrestle with each other. Very interesting and well done.
2. Inventors of the World, The Wright Brothers, by Schlessinger Media (3)  
An excellent 23 minute video on flight. The Wright brothers flew the first self-powered airplane. Orville and Wilbur Wright had great mechanical ability. They built several printing presses out of scrap materials and began a business repairing bicycles. The mechanical interest led to their pursuit of developing an aircraft.
3. Animated hero classics, the Wright Brothers, by Nest Entertainment Inc. Schlessinger Media (5)  
A fun, animated, 23 minute video on the Wright Brothers. Excellent information.
4. Inventors of the World, Leonardo Da Vinci, by Schlessinger Media (3)  
Leonardo da Vinci (1452-1519) was a true Renaissance man, examining his incredible curiosity and understanding of the things around him. He designed many things which included the helicopter. Watch this 23 minute video to learn more! Excellent presentation.
5. Eyewitness video on Flight (4)  
Typical eyewitness video. Full of great information on flight with a few evolutionary statements thrown in. Covers what thrust and lift are. How birds fly; their use of feathers and wings which are the key to flight. The vulture is the highest flyer and goes as high as a jumbo jet! Great video, as long as you explain the two sentences to your child concerning evolution.

*website suggestions:*

1. <http://www.paperairplanes.co.uk/planes.html>  
Great website with instructions for making many kinds of paper airplanes! A fun activity to try.
2. <http://www.ag.ohio-state.edu/~flight/homepage.html>  
Excellent interactive site. Click on 'learning about air and flight' and 'controlling an airplane'. Students will enjoy learning about these topics. VERY FUN !

